SAF-RC-001 Industrial Hygiene Sampling FINAL DATA

NO DISTRIBUTION REQUIRED

COMMENTS:

SDG ______(06-A-0202

SAF-RC-001

Rad only

X Chem only

Rad & Chem

X Complete

Partial

300 Area TSI north of 303J





SUBMITTED TO:

Denise Pitts Washington Closure Hanford 3070 George Washington Way, MSIN L1-07 Richland, WA 99354



REFERENCE DATA:

Client Sample Nos.:

J10X63 through J10WX5

P.O. Number:

Not Available

Sample Location:

300 Area TSI North of 3035

Sample Type:

MCE Air Filters

Method Reference:

Airborne Fibers by Phase Contrast Microscopy (PCM) NIOSH Method 7400, Fourth Edition, (dated 8/15/94)

1/18/2006

Date Received:
DCL Sample Set ID No.:

06-A-0202

DCL Sample Nos.:

06-00998 through 06-01003

The samples indicated on the following data sheet(s) were analyzed in accordance with the NIOSH Method 7400 outlined in the NIOSH Manual of Analytical Methods (NMAM), Fourth Edition, dated 8/15/94. This method requires that samples have a minimum volume of 400 Liters on a single sample or on consecutive samples and that 2 field blanks (or 10% of the total samples, whichever is greater) be submitted with each set. The results reported are not field blank corrected. Blanks receive a 100-field count, and data are reported as Fibers/Field for use in background correction.

Results are tabulated on the following page(s). Results are reported in Fibers/mm², Fibers per Filter and Fibers/mL (Fibers/cc). Concentrations in Fibers/mL are based on sample volumes or flow rates and times provided by the client. Results for all samples are based on the use of a 0.8-µm pore size, 25-millimeter diameter filter having an effective collection area of 385 mm². Report applies only to portion(s) of sample(s) analyzed. Samples will be disposed of after 60 days unless otherwise instructed.

The limit of detection (LOD) for this method has been determined to be 7 Fibers/mm² for a sample volume of approximately 1200 Liters.

DataChem Laboratories adheres to the QA/QC guidelines set forth in this method that calls for 10% blind replicate analysis. The QA/QC officer maintains all QA/QC data at our laboratory.

DataChem Laboratories is American Industrial Hygiene Association (AIHA) accredited. Laboratory accreditation does not in any way constitute approval or endorsement by AIHA.

Sarah Scotland

Analyst

Anna Marie Ristich

Section Manager

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CINCINNATI OFFICE

4388 GLENDALE-MILFORD ROAD

CINCINNATI, OHIO 45242-3706

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CINCINNATI, OHIO 45242-3706

800 280-8071, FAX 415 893-9469

DataChem Laboratories Phase Contrast Microscopy Test Report

Client: Washington Closure Hanford

Sample Location: 300 Area TSI North of 3035 P.O. No.: Not Available

Graticule Area (mm²):	0.00817							
SAMPLE INF	ORMATION			SAMPLE	RESULTS		LO	D
Client Sample Nos.	DCL Nos.	Vol. (L)	Fib/Field	Fib/mm ²	Fib/Filter	Fib/mL	(Fib/mm ²)	(Fib/mL)
J10X63	06-00998	328.00	0.085	10	4,006	0.012	7	0.008
J10X66	06-00999	74.00	0.070	9	3,299	0.045	7	0.036
J10X64	06-01000	206.00	0.085	10	4,006	0.019	7	0.013
J10X65	06-01001	79.00	0.060	7	2,827	0.036	7	0.034
J10WX4	06-01002	NA	0.010	<lod< td=""><td><lod< td=""><td>NA</td><td>7</td><td>NA</td></lod<></td></lod<>	<lod< td=""><td>NA</td><td>7</td><td>NA</td></lod<>	NA	7	NA
J10WX5	06-01003	NA	0.030	<lod< td=""><td><lod< td=""><td>NA</td><td>7</td><td>NA</td></lod<></td></lod<>	<lod< td=""><td>NA</td><td>7</td><td>NA</td></lod<>	NA	7	NA

^{**}Comments: none.

*NOTES: "NA" indicates no volume was given or the sample is a blank.
All samples counted using the "A" rules.

Sarah Scotland

Analyst

Anna Marie Ristich Section Manager

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06-A-0202

			CHAIN O	F CUSTODY/SA	AMPLE.	ANALY	SIS RE	EQUEST			,	····			
Collector:	\$		Company Contact Denise A. Pitts and Henry W. Ruby			Telephone No. 531-1229			Project Coordinator Joan H. Kessner				Data Turnaround		
Payroll #: 8CZ9Z		Sampling Lo	REA	All relevant CO.	SPECIAL INSTRUCTIONS All relevant COAs must be provided:			SAF No. RC-001			STO(Z4A-S)				
	ASBESTO	S	KTH of 303	J R 300.	- - -			Method of Ships		ed E	×				
Shipped To: DATACHEM			e Media: Yes ☐ No 人	IA NIOS	H 741	00		Bill of Lading/Air Bill No. 8534 1811 7500							
CINCINNAT:	T, OHIO AZARDÆLMARKS			/TS DES	>/0>			<i>8</i> -	אנב	101	/_/-	500			
ASBESTO Special Handling and NA	\$	A - AIR WI - WIP X - OTH	Pres	servation (i.e., cooling required, etc.)	No	No	No	No	No	No	No	No	NA		
SAMPLE ANALYSIS						 			·	 	 	<u> </u>			
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L) or Areacm²	Comments	Asbestos Aurborne	Lead Airborne	Beryllius Airborn		Mold	Lead Wipe	Cd Wipe	Cd Airborne	NA		
J10x63	A	1-16-06	328	NA	×	00	298								
J10×66	Α	1-16-06	74	NA	X	00	999								
J10×64	A	1-16-06	206	NA	×	01	000		Ĭ	CR					
J10×65	A	1-16-06	79	NA	X	01	001		1-	6:06					
JIOWXY	A	1-16-06	NA	BLANK	X	01	00 Z								
JIOWXS	A	1-16-06	NA	BLANK	X	01	003	>							
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						1-16-0									

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CHA	AIN OF CUSTODY/SAM	IPLE ANALYSIS REQUE	ST	
	SIGN / PRINT NAMES	USE MILITARY TIME	· · · · · · · · · · · · · · · · · · ·	
Relinquished By Street CLAFFORD BATES	DATE / TIME:	Recessed By/Sureal:		DATE/TIME 1-16-06
Cliffal L. Fals	1-16-06 1530	LOCKED DEAWER	Rm/6 3746	Bldg 1530
Colypse L. Balo Refrigered Bytoglish Colone + building 3746 Rm #16 Colde Malla Golde Malhan Schooling World Bytoglish Colone Malla Golde Malhan Schooling World Bytoglish Colone Malla Golde Malhan	DATE/TIME:	Received By/Skired:	0 01 1	DATE FUNE
Golde Malha Golde Malhan	01/17/06 1445	Received By/Stured:	1.2. Style	- 1-17-06 1445
RZ Steffler A.Z. Steffl	vcH 1-17-06 1530	Fed Ex		
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Returned By Stored	DATE / TIME	Received ByNkered:		DATE / TIME
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Reinspushed By/Stated:	DATE / TIME.	Received By/Stured;		DATE/TIME
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Reimqueixed By/Stored	DATE/TIME	Received By/Stored:		DATE / FINE:
Reluquisted By/Streed	DATE / TIME	Received By/Stored:		DATE / CINE
LABORATORY Received By SECTION	Title 55			1/18/00/13:15
REVIEWED BY:	I.	DAT	E:	
	PRINT/SIGN NAME			<u> </u>



4

			CHAIN	OF C	USTODY/S	AMPLE	ANALY	SIS R	EQUEST				· · · · · · · · · · · · · · · · · · ·	
Collector:	5		Company Contact Denise A. Pitts and Henry W. Ruby			Telephone No. 531-1229			Project Coordi Joan H. Kessn			Data Turnaround		
Payroil#:		Sampling Lo				SPECIAL INSTRUCTIONS All relevant COAs must be provided:			SAF No. RC-001			STO (241-5)		rs)
Type of Sample:	ASBESTO		TSI NOKTH OF 3035			R 300xx J452 ANALYSIS METHOD (SPECIFIC):			Method of Shipment Fed Ex					
Shipped To: DATACHEM CINCINNAT. POSSIBLE SAMPLE H.		Wipe Sampl Ghost	Wipe Sample Media: Ghost			H 74 STOS			Bill of Lading/	Air Bill No.		811 7500		
POSSIBLE SAMPLE H. AS BES TO Special Handling and NA	S	A - AIR WI - WIF X - OTF	E		n (i.e., cooling red, etc.)	No	No	No	No	No	No	No	No	NA
SAMPLE ANALYSIS									Lucal	· Cı	C.			
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L)	9	Comments	Asbestos Airbome	Lead Airborne	Berylliu Airbon		Mold	Lead Wipe	Cd Wipe	Cd Airborne	NA
J10x63	A	1-16-06	328		NA	×				(50			
J10×66	Α	1-16-06	74	1	NA	X								
J10×64	Α	1-16-06	206		NA	×	·				^L R			
J10×65	Α	1-16-06	79		NA	X				/-	6.06			
JIOWXY	A	1-16-06	NA	BL	-ANK	X								
JIOWXS	Α	1-16-06	NA	<u>į</u>	BLANK	X	·			i trans	DLE C	27 07 38 AZ		
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	- *************************************			3			1-16-00							
WCH SH 202 (09)30			L			<u> </u>		L		ــــــــــــــــــــــــــــــــــــــ	<u> </u>			

WCH-SH-202 (08/29/2005)

Page 1 of 2

J10×63		10	х	6	3		
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Relinquished By/Stored	AFORD BATES	DATE / TIME	Received By/Stored:	DATE/TIME 1-16-06
Chinal.	L. Bats	1-16-06 15-30	LOCKED DRAWER	· ·
Refragus-hed By/Syff Calone	et building 3746 Rm	#16 DATE / TIME	Received By/Stored:	Rm/6 3746 Bidg 1530
Gold Malh	a Golde Malhan	1-16-06 15-30 #16 DATE/TIME O// 17/06 1445 DATE/TIME WCH	RZ Steffler	R.Z. Steff 1-17-06 1445
RZ Steffle	- A. S. Steffel	1-11-06 1530	I Ea Ex	DATE / TIME
Retriquished By Sive ed.		DATE / TIME	Received By/Stored:	DATE / TIME
Relinguished By/Stoteal		DATE/TIME	Received By/Stored:	DATE/TIME
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Relanguished By/Stored		DATE / FIME	Received By/Stored:	U DATE/ING
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Relanquished By/Stored.		DATE/TIME	Received By/Shwed:	DATE/TIME
Relinquished By/Stored.		DATE/TIME	Received By/Stored:	DATI: / FIMI:
Reiniquished By/Storeth		DATE / TIME	Received By/Stored:	DATE / ITMI:
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Relinquished By/Surred	3	DATE / TIME	Received By/Stored:	DATE/ FIME
	·.·			
LABORATORY SECTION	Received By	Title		DATE / TIME
REVIEWED BY:			DAT	Е:
		PRINT/SIGN NAME		
		•		

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST SIGN/PRINT NAMES/USE MILITARY TIME